

STUDENT NOMINATIONS WED. MARCH 11

**MEDICALS PUT ON SUCCESSFUL NITE**

Two Lively Plays—Good Slides and Faculty Cheering Liven Evening

**FUN BEGINS EARLY**

Beer Men and Saw-Knifers War in Afternoon—Evening's Program Interesting

The old axiom, "laugh and the world laughs with you" was proven for the thousandth time last Friday, when Med Nite, the annual occasion upon which the students of this University temporarily lay aside all serious thinking to give full vent to the playful instincts of youth, once more drew a packed house of over-town patrons.

As usual, the pot of enthusiasm boiled over in the afternoon, resulting in a faculty fracas omitted with pardonable carelessness from the printed program. Opinions on this score appear to differ somewhat, however, for in the words of one non-belligerent Arts student treated to an impromptu bath by an over-zealous Dent, "it may be comedy to you guys, but it's Hamlet to me."

No serious casualties were reported, although the battle raged fiercely for more than an hour. The outcome was a feeling of mutual respect and good feeling, which may well be worth a few torn articles of wearing apparel.

**Lively Skit**

The evening's program opened with an original skit, "Wah Lee's Laundry," prepared especially for the occasion by the collaboration of two brilliant minds, "Irish" Walley of

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**LANTERN LECTURE ON GREAT WAR**

Mr. Nicholls, With Numerous First-hand Pictures, Lecturing Next Tuesday

The events of the war-years were so crowded and so startlingly stupendous in their proportions that even now, looking back over that dark period, the average man has just a blurred remembrance of what really occurred. The daily casualty list; the daily news of sacrilege committed on century-old churches; the ever-present strain and excitement of the thing, caught the whole world in a maelstrom of destruction, and injured men's minds to an unnatural existence, so that during those four years life changed its entire course. Generations of the human race were wiped out, generations of achievement were nullified by the temporary superiority of blood-lust over brains. Then peace came, and the nerve strain relaxed. In a few years new generations grew up, and the gaps were quickly filled, so that it seemed as if the whole thing had never been.

Next Tuesday evening, March 10th, in Room 158 Medical Building, Mr. L. H. Nicholls will give a lantern lecture on his experiences in France during the three years that he spent there. Mr. Nicholls was fortunate enough to secure over 200 pictures of life behind the lines and on the battlefields. Intensely real pictures they are, showing the fighting man in all the horror of his ghastly surroundings, yet happy snaps some of them, picturing the brief periods they spent in rest camps, when they snatched for a few hours at such pleasure as the French villages gave, knowing not if they would ever make rest camp again. In the final advance, when the German line broke and, pressed by the advancing allies, the Boche fought one of the greatest rear-guard actions in history, Mr. Nicholls was in the artillery corps, and he will tell the story of this victorious onrush with the aid of a complete set of pictures.

Thus the entire history of the Canadian divisions in France will be told by these pictures. They will tell the story of the Somme, of Vimy Ridge, of Hill 60, and of Ypres, and of all the battles wherein the Canadians made a lasting name for themselves in Europe. The receipts from this lecture will be devoted to the Memorial Fund. Surely there is no better cause to support than this, nor any more appropriate way in which to lend your aid.

**VALEDICTORY SERVICE**

The Senior Class wishes to remind the University of the Valedictory Services, to be held Wednesday, March 25, in Convocation Hall, at 4:30. The service is open to all students, to the members of the Faculty and their wives.

Senior students are reminded that they must wear gowns on that occasion, and are urged to obtain their own gowns if it is at all possible.

**WAUNEITA BANQUET**

Monday, March 9, Athabasca Hall, 7:30. All Wauneitas, past and present, are cordially invited to be present. All those wishing reservations, please notify Miss Grace Studholme. Phone 5670.

Research Reveals Value Of Alberta Natural Resources

By JACK MARSHALL

Under the auspices of the Scientific and Industrial Research Council of Alberta considerable investigation work is being conducted by the University.

Since coal is our outstanding mineral resource, one would expect to find that it is being given particular attention. Such is the case. The Industrial Research Department for one thing is carrying out a systematic programme of analyses of coal samples from all the coal fields of the province. Hundreds of such analyses have been made and more are being made all the time. The careful study of these analyses is bringing to light a practical classification of Alberta coal which enables one to predict the grade or quality of coal that will come from any given location in the province.

The successful marketing of Alberta coals presents many problems. Some of our coals dry out and break up on shipment and storage. A study of the behaviour of the various

MEMORIAL FUND NEARS OBJECTIVE

Household Ec. Holds Lead in Percentage Race—Agriculture Seniors Set Worthy Example—Meds Climbing

The Memorial Fund campaign shows no signs of flagging at the present time. All the faculties save those of Law and Pharmacy report considerable progress as a result of the week's work. One of the most gratifying features is the record set by the Aggies, who have a per capita subscription of \$3.50. Every student in the graduating year in Agriculture has promised a subscription of \$5.00. The Faculty of Arts is far in the lead in total subscribers and in the aggregate of subscriptions. The most recent estimate of the amount subscribed by the student body is \$850.00.

Household Economics leads in the race for the best percentage, 70 per cent. of the housekeepers having signed their cards. The Farmers seem to be another moneyed class; 56 per cent. is their enviable record. Law with 50 per cent. and Arts with 47 per cent. are next on the list. The complete list of the faculties and their standing is to be found below.

Faculty.	Amt. Subscribed.	Per cent. of Faculty.
Household Ec. ....	\$ 33.00	70%
Agriculture .....	114.00	36%
Law .....	66.50	50%
Arts .....	402.00	47%
Commerce .....	57.00	44%
Applied Science ..	90.00	41%
Pharmacy .....	26.00	33%
Med-Dent .....	48.00	14%
Incidental .....	31.00	

FABLE APPLIED TO MODERN PROBLEMS

M. Le Pere Dugre, Speaking Before "Cercle Francais," Makes Graphic Use of Old Story of Ant and Grasshopper

At the regular bi-monthly meeting of the "Cercle Francais," on Wednesday, March 3rd, "Ant ou Or" was the subject of an interesting address by M. le pere Dugre. Opening his paper, which was both literary and philosophical, by quoting La Fontaine's fable of the Ant and the Grasshopper, M. le pere said that our sympathy should be with the grasshopper, who sang all day, rather than with the egotistical ant, who spent his days storing food; moreover, the ant, the worker, ought to have given food to the grasshopper, the artist. The poor, as M. le pere said, are often truly rich because they own the beauties of nature. In regard to the immortals of ancient times, M. le pere spoke of the great artists—Demosthenes, Horace and Virgil—whose names are known even in our day, although they were poor and of humble birth. The names of some rich men are known only because they patronized art or were commemorated by their proteges in books or paintings. In fact, the very word artist suggests to us the idea of poverty. To prove this M. le pere cited Mozart—poor because he would not compose ragtime. And yet art has never been conquered by poverty, but has been strengthened and encouraged by monetary discouragements. M. le pere then spoke of cultivating an artistic sense by travelling. So many, however, travel only in order to be able to say they have done so—they count the value of travel by their own standard, gold. M. de Savoye expressed the appreciation of the audience in a few well-chosen words, while M. Sonet, in closing the meeting, spoke of the relation of the question to modern problems.

MARCH 18 TO BE ELECTION DAY

Nominations Must Be Handed in at Least One Week Earlier—One of the Most Important Events of Year

Wednesday, March 18, will be election day in the University this year. On that day students will elect the President, Vice-President, Secretary and Treasurer of the Students' Union; the Chief Justice and Sheriff of the Students' Court, the President and Secretary of the Literary Association, and the President and Secretary of the Men's Athletic Association. The Wauneitas will elect their officers at a different date.

The various organizations under the Men's Athletic Association elect their heads later in the year, since rugby, basketball track, boxing and wrestling, tennis, baseball, hockey are individual clubs.

The Debating Society, the Dramatic Society, the Orchestra, the Glee Club, all of which are under the Literary Association, will elect their officers some time between March 18 and the end of the term.

It is evident that March 18, though it is not a general election day, is a most important date in the students' calendar. Nominations of candidates for the elections must be handed in by March 11.

FROSH HAVE IDEA VARSITY EVENING

Will Work It Out at Freshman Reception, to Be Held March 6

This year's Freshman Reception to be given in Athabasca dining hall, March 6, promises to be one of the most novel features of the social season. Contrary to the usual secrecy of dance committees, Mr. Piper, president of the Frosh, seemed quite willing to impart any information wanted as to the general scheme of decoration, etc. This is to be green and gold, a representation of Varsity Night. That "good old Varsity spirit" (figuratively speaking, of course) will walk on Friday night.

Mr. Porteous and Mr. Halliday, who are decorating the west wall, are in charge, ably assisted by Miss Treadway and Miss Lines, who are attending to the decorations of the gym for supper. The programs are small green booklets with the Varsity seal in gold. There are fourteen dances and two extras.

The rendezvous will be named after the different faculties. In the lounge, either to encourage sitting out, or to increase the erudition of "social butterflies," Year Books of other universities will be provided.

Mr. Piper and his executive, consisting of Miss Lines, vice-president; G. W. Field, secretary-treasurer; Miss Treadway, Mr. Johnson and Mr. Wilkinson, are now hard at work to culminate these plans in a very successful evening's enjoyment for the Sophomores, who are to be their guests.

Mrs. Tordy, Mrs. Howes, Mrs. Campbell, Mrs. Hardy, Mrs. Warren and Miss Dodd are to be the patronesses.

CRITICS, LOOK HERE!

In connection with next week's dramatic attraction, "The Admirable Crichton," opportunity will be given to the best criticisms of Thursday's programme will be given tickets to Friday's performance. Literary articles are not expected, an indication of weak points with suggested improvements is the thing. Therefore, the Dramatic Society offers for the best student's criticism deposited at The Gateway office by 2 p.m. Friday two of the best seats in the house, or their equivalent in coin of the realm. To professors or their wives (notorious critics) a similar offer is made. It is not expected that the judges will be too dogmatic as to eligibility, for instance, "a student" might well mean any student of the drama. Here is an opportunity to earn the undying gratitude of a criticism inviting society, and incidentally a pair of tickets for your best friend—or best enemy, if you feel that way, but we are sure you won't. The winners' names will be posted on the Dramatic notice board, and we agree to deliver tickets to any part of the city.

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THE BEST TIME TO SUBSCRIBE TO THE MEMORIAL IS—NOW

SCHOLARSHIPS and AWARDS 1923-24

Assembly Not Possible Last Fall—Prizes Given Privately

The following list of awards made on the basis of work done during the Session 1923-24 has not been previously published because of the expectation that an Assembly would be held in the Autumn at which the prizes would be publicly presented. Through a series of circumstances it has not been found practicable to hold this Assembly, and the prizes are now being given privately to the winners, and this public announcement made.

- SCHOLARSHIPS**

**The Women's University Club Scholarship**

Wilma Margaret Coone.

Scholarships in the Faculty of Medicine offered by the College of Physicians and Surgeons of the Province of Alberta.

First Year—General Proficiency: Edmund Francis Cain.

Third Year—Anatomy: Harold Leake Nix.

Fourth Year—Physiology: Gerald Stuart Charlesworth.

**The Scholarships of the Alberta Pharmaceutical Association**

Degree Course—Third Year: Not awarded.

Licentiate Course—First Year: William John Monaghan.

**The Atkins Scholarship in English Language and Literature**

Oliver Vera Haw.

**PRIZES**

**The Jane Alexander Memorial Prize**

In Latin—Gwendoline Ramsey Little.

**The Harold Waldo Huestis Memorial Prize**

In English—Marilda Marie Clermont.

**Prizes in Mathematics**

In Mathematics 1—Not awarded.

In Mathematics 3—Dorothy Isabel McNichol.
- The Samuel Richard Hosford Memorial Prize**

In English—Oliver Vera Haw.

**The Vallée French Prize**

Wilma Margaret Coone.

**The French Prize of the Société du Parler Français**

Gwendoline Charlotte Toby.

**The Historical Club Prize**

Ethel Cobb.

**Canadian Institute of Mining and Metallurgy Prizes**

Third Year—No candidates.

**Carswell Prizes in Law**

First Year—Kenneth Richard Jamieson.

Second Year—George James Bryan.

**FIRST CLASS GENERAL STANDING**

**Faculty of Arts and Sciences**

Second Year—Mary Manson.

**Faculty of Applied Science**

Second Year—John Joseph Taylor.

**Faculty of Medicine**

Fourth Year—Gerald Stuart Charlesworth, Leonard Breckon Wrinch.

**Dentistry**

Third Year—Whitmore Pipes Calhoun.

**School of Pharmacy**

First Year—William John Monaghan.

Second Year—Charles Walter Bamford.

Important Phase University Work Outlined to Legislators

Professors Collip, Newton and Boyle Speak on Occasion of Legislature's Visit to University—Achievements in Research Outlined

Dr. Collip, Dr. Newton and Dean Boyle were the three outstanding professors who addressed an audience of students, professors and legislators in the south theatre of the Medical building Wednesday evening. The meeting was held on the occasion of the annual visit of the Alberta legislators to the University. Dr. Collip outlined to the audience the work being done in connection with insulin and with the new parathyroid extract; Dr. Newton delivered a pithy address on certain aspects of the research being conducted by the Field Husbandry Department of the University; Dr. Boyle gave a brief summary of work done during and after the war in connection with ultra-sonic telegraphy and detection of icebergs by ships. All three addresses were illustrated by slides.

"The Glands of Internal Secretion" was the subject of Professor Collip's address. In introducing this subject the speaker pointed out the location of three of the principal glands in the body—the pituitary, just below the bridge of the nose and about an inch and a half in, at the base of the brain; the thyroid on the front of the neck, and the adrenal glands fitting like a helmet over each kidney. With slides he illustrated two results of the thyroid being defective. One result was obesity. The picture of an infant whose weight equalled that of his parent was shown. The speaker pointed out that this child only lived a few months after the photo was taken. Giants ranging from eight to nine feet in height were shown by other slides. It was pointed out that after death these men usually showed a tumor on the brain where the pituitary gland was located.

Cretinism, a form of idiocy caused by failure of the thyroid to function properly, was illustrated in the case of young children. Slides also illustrated how, by the use of thyroid extract, this disease had been cured in children. Dr. Collip also showed the beneficial effects of the new parathyroid extract in curing tetany in young children. An Edmonton case was cited where a young child, brought to the laboratory with this disease well developed, was completely cured by administration of this extract. Most of the experimental work, however, in connection with the parathyroid hormone had been done with dogs. In these animals the thyroid was surgically removed. Without treatment with thyroid extract these animals would have died in a few hours. By injection of the extract daily, however, the animals were kept in a perfect state of health.

The value of insulin treatment in diabetes was amply illustrated. One case was cited of an athlete, a man weighing 180 pounds, who contracted diabetes. A picture, taken a year or two later, showed him emaciated and reduced to 90 pounds in weight. Just at that time experimental work with insulin had been begun. By the administration of insulin this man regained his normal weight and was able to resume the activities he had enjoyed before contracting diabetes.

**Work in Agriculture**

Dr. Newton showed examples of drought-resisting and frost-resisting plants. He showed that one reason why plants could resist drought was that the cell sap they contained was relatively concentrated. This allowed the plants to absorb moisture from a dry soil, while plants with a less concentrated sap would fail to

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RUTHERFORD CUP AT STAKE FRIDAY

Finals in High School Debating League to Be Held in Convocation Hall Friday Evening

An event of unusual interest to Alberta students will take place in Convocation Hall on Friday evening, March 6th, when the finals in the Provincial High School Debating League will be held.

Teams representing Medicine Hat High School and Strathcona High School will debate the resolution: "Resolved, that it is in the national interests that the Canadian Government should impose an export duty on Pulpwood."

The affirmative of this resolution will be taken by the Medicine Hat debaters: Alec Spivak and Russell Haulin, while the negative will be supported by the Strathcona team: Donald Tordy and Harold Turner. The judges for this debate will be Mr. John Blue, Mr. E. A. Corbett and Mr. H. A. Patton.

Teams representing Magrath and Minburn will debate the resolution: "Resolved, that it is expedient that the Canadian Government should forthwith undertake the completion of the Hudson Bay Railway."

The affirmative will be presented by the Magrath team: Miss Lydia Toomer and Miss Ardath Turner, and the negative by the Minburn team: Miss Carrie Park Bowman and Mr. George Roder Young. The judges for this debate will be Mr. A. F. Ewing, Mr. D. S. MacKenzie and Mr. J. D. O. Mothersill.

These four teams are the champions in the northern and southern sections of the "A" and "B" divisions of the Provincial High School Debating League. "A" Division includes the city schools, and "B" Division other high schools of the province.

In all this year four schools took part in the "A" Division—Lethbridge, Medicine Hat, Wetaskiwin and Strathcona, and in "B" Division—Magrath, Minburn, Cayley, Didsbury, Banff, Parkland, Enchant, Lavo, Hillcrest Mines, Clive, Cardston, Vegreville. The process of elimination has consisted in a series of double-header debates for which judges have been sent out or arranged for by the Department of Extension.

On Friday evening two fine trophies are at stake—the Rutherford cup, representing the championship of the "A" Division, and the U.F.A. cup, representing the championship of the "B" Division.

From press reports and from reports of the judges, the debates this year have been of a very high order, and it is anticipated that on Friday evening there will be a very keen final contest.

In addition to the debates the executive of the University Literary Society have arranged for some musical numbers to fill in the intervals in the program. There will be no charge for admission. All students and others interested in debating are invited to be present. It is the intention to start the program at 8 o'clock prompt.

UNION NOMINATIONS

The annual Student Union nominations must be submitted on Wednesday, March 11.

Nominations for the following positions will be received by J. C. Mahaffy, secretary of the Students' Union, at the Central Check's office on the above date, between the hours of 11 a.m. and 1 p.m.: The President, Vice-President, Secretary and Treasurer of the Students' Union; the President and Secretary of the Athletic Association; the President and Secretary of the Literary Association; the Chief Justice of the Students' Court, and the Sheriff of the Students' Union.

The President and Vice-President of the Students' Union must be either seniors or students who have completed three years' regular work leading to a degree. The Secretary and Treasurer of the Students' Union and the Presidents of the Athletic and Literary Associations must all be members of either the junior or senior years. These regulations apply, of course, in the year these candidates hold office.

The Chief Justice must be a graduate from Alberta and a student at law.

SENIOR CLASS HOLDS IMPORTANT MEETING

There was a meeting of the Senior Class Wednesday, March 4. Several important matters of business were discussed, among them class memorial, pins and valedictory. Mamie Silverthorn presented the report of the Memorial Committee. The memorial was decided upon. Bob Mitchell reported that some very good designs for a permanent graduation pin have been received. It was decided that no class pin should be chosen until after the Pins Committee had submitted its report to the Students' Union. Bob Mitchell, said that it was expected that a choice would be made in plenty of time to have the pins here by May 15. The Valedictory Service will be held March 25. The speakers will be Dr. Alexander, the honorary president of class '25, George Bryan, who will give the Valedictory address, Dorothy Smith, who will read the class history, and Kenneth MacKenzie, who will give the Junior Critique. Gowns, which are to be worn, will be provided by the committee.



## THE GATEWAY

Undergraduate newspaper published weekly by the  
Students' Union of the University of Alberta



Editor-in-Chief ..... Wesley T. Watts  
Associate Editor.....Kenneth MacKenzie  
Managing Editor..... Wesley Oke  
News Editor..... Walter Herbert, B.A.  
Business Manager.....E. B. Wilson  
Advertising Manager.....Stanley Ross  
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## A DRASTIC AMENDMENT

The Constitution of the Students' Union is at present being revised by a special committee which was appointed at the last business meeting of the Union.

There is one amendment being considered by this committee which, if adopted, would necessitate a far-reaching change in our present legislative system. The Gateway wishes to put before its readers the essence of this amendment, so that they may consider its merits and, if they so desire, express their opinions about it through the correspondence columns of this paper.

It is a recognized fact that our present system of student government is, in practice, somewhat unwieldy. The Union general meeting is not an efficient legislative body, while the Council as an executive body would function more effectively if it were smaller.

The amendment we are outlining aims to get rid of these two faults, and the changes it would bring about we are indicating here.

In the first place, the amendment would provide for a larger and more representative Council; faculty clubs, for instance, would have membership on it. The present executive function of the Students' Council would be changed to a legislative one. At stated intervals the Council would meet in Convocation Hall and pass on legislation dealt with under the present system by Students' Council and Students' Union jointly. The student body would be able to maintain an intelligent interest in student affairs by following the work of the Council.

Also, by this scheme a new executive body would be created. This body would be much smaller than the present Council, and would have the power to consider matters of detail without calling together the Council. It should make for greater efficiency.

The Union meetings, at present held monthly, would be ordinarily called twice a year—once to consider the budget and again when the President of the Union presented his annual report on student organizations. Special meetings, however, would be called whenever occasion demanded.

This change, in government, if adopted would have its obvious disadvantages. But the legislative and executive work of the Union would be facilitated. It would also provide for a more representative council. As an instance, students taking Medicine or Science, because of the very nature of their courses, are at present not able to devote the time and attention to student offices which these positions demand. They are, as a consequence, not well represented in student elections. These faculties should, however, have adequate representation on the Council, for all types of opinion must have a voice in student government if that government is going to be properly supported. The representation of faculty clubs would give these groups the influence they should have on the Council. Furthermore, a larger Council would provide a good place to develop executive men.

The drastic nature of the scheme, necessitating, as it would, a complete re-modelling of the Constitution, seems one of the greatest hindrances. In tending to take the final word in legislative matters from the individual students the new plan would tend to lessen the interest and helpful co-operation of the student body in student government.

Again, one of the principal purposes of student government is to give training in citizenship. This aim would be difficult to carry out if the individual student were deprived of his privilege—that of speaking to every piece of legislation that comes up.

The Gateway is presenting this plan without either condemning or upholding it. In fact, at this stage we do not consider the time opportune to take a definite stand. Rather our purpose is to sound out student opinion on this new proposal. Only by debating and discussing this scheme can the students who will eventually decide its fate, arrive at its merits and demerits.

## MED NITE

Med Nite met with its usual success. The decorations, the faculty cheering and the well-organized program all helped to make a splendid Varsity evening.

There were perhaps two features that stood out more prominently than others—the scheme of decorations and the inter-faculty cheering. The decorations gave the proper Med Nite atmosphere, without either being grotesque or forcing themselves on the attention of the audience.

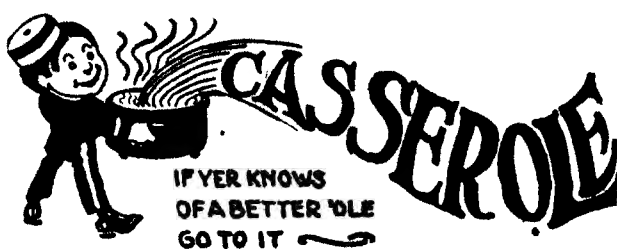
Faculty songs and yells, carried off in an orderly manner, were very successful, and a distinct improvement over last year's. The songs would perhaps be more effective if each was accompanied by the orchestra. Again, if more time were spared for faculty songs they could be made to form one of the brightest features of the evening's program.

On the whole, Med Nite showed that the Medical students have that enthusiasm befitting a school that comes of age this year.

## INTER-FACULTY DEBATES

The inter-faculty debating final between teams representing Arts and Agriculture will be held on March 23. This will be the last of a very successful series of inter-faculty debates.

It has been suggested that next term the inter-faculty debates be held during the fall instead of



## Apology

Ed Gardiner told us the other day that a certain young lady—was the name Davison or Davidson?—had objected to seeing his name coupled with that of Verna Barraud in this column. Ed told us her name so that we could use it when impelled to run a joke on him. But we have not got a joke, and we've partly forgotten the lady's name, so we hope that this apology will set matters right. Now we'll have to hear from the other lady.

I asked her if  
She rolled her own.

She said:  
"No."

Just then came  
A mouse.

And,  
Oh, how she'd lied.

## Maddening

To massage for an hour  
Each evening before going to bed,  
To get a moustache started,  
And then find the damn thing's red.

Huskins: "What decorations are those you are wearing, old man?"

Gentleman (proudly): "These are the medals our cow won at the Chicago exhibition."

Gardner: "This is the fig tree you've heard so much about."

Co-Ed: "Oh, I thought the leaves were much larger."

Lakusta: "Why is your neck like a typewriter?"

Carter: "Yes, yes, go on."

Lakusta: "Because it is Underwood."

At the Pembina End—"Can you come over in half an hour?"

At the Athabasca End—"Why, yes, but that does not give me much time."

At the Pembina End—"Oh, don't fuss up, but for goodness sake shave."

—"I think Scotch Canadians are the most patriotic people."

—"Why's that?"

—"Because they all carry Canada's national emblem on their watches."

## Who Is She?

She is pretty, good natured and happy and bright,  
And her voice is simply divine!  
She can dance, play piano, and sing and recite,  
And in classes she surely does shine.

She's sweet as the roses that bloom in the spring,  
She is charming, modest and shy.  
And now let me ask you one little thing—  
Do you know her? Well, neither do I.

## Alas!

I kissed her in the vestibule,  
And leaned against the bell!  
Alas, I acted like a fool,  
I kissed her in the vestibule!  
For how could I in darkness tell  
Miss Dodd would come and give me—well,  
I kissed her in the vestibule  
And leaned against the bell!!!

## Yes, by Adam Site

We understand that the island dresses to be worn by the cast of the Admirable Crichton weigh an average of eight ounces apiece. It's a pity they have to wear such heavy shoes.

## More by the Sage

If a girl lives to the age of eighteen without being kissed, it is altogether likely that she will be in the same fix at forty-five.

Miss M. T., describing her nursing course—"And in our final year we have to go to Ponoka for our mental training."

## Embarrassing Moments

When Lucille is speaking to Dorothy calls her Margaret.

Qpx: "One of those fresh young Aggies just tried to kiss me. Said he'd never kissed a girl before."

Xpq: "What did you do?"

Qpx: "Told him I was no agricultural experimental station."

later in the session. They would thus serve to develop debaters for the inter-Varsity contest.

This plan seems a timely one, and perhaps the new debating executive elected this spring will be able to give it a trial. It is before the try-outs for the inter-University debate, and not after, that interest in debating is of most value. Furthermore, a relatively better team could be picked for the inter-Varsity debate if the ability of the aspirants was known through the testing received in the inter-faculty contests.

## EDITORIAL COMMENT

Nomination for Student Union offices will be submitted on Wednesday, March 11. We are fortunate this year in having plenty of men with experience and ability, available for the various offices. In is the duty of the junior and senior students, however, to see that these men are nominated, and that, if possible, each office is contested.

The residence students of the University had the pleasure once again of entertaining the members of the Alberta legislature. The affair held Wednesday evening was a decided success, and the addresses delivered afterwards in the Medical buildings were fascinating for all who attended.

HOUSE LEAGUE  
FINALS SOON

Selnes' Team Assured of Place  
in Play-off Series

The House League Basketball championship will probably be decided by the end of the week, as the three leading teams meet to decide who will enter the play-off. Selnes' team is a certainty of entering the final. They are leading the league now with five wins and a loss, and only one game to go. Irwin's and Brown's team each have a couple of games to play, and are sitting pretty with one loss apiece. If the two teams end a tie a sudden death game will be played to decide who has the right to meet Selnes. The finals will consist of the best two out of three games.

The system of two out of three games for the play-off as adopted is undoubtedly the best system. This was ably proven last year in that famous play-off series when both teams were caught unawares in one game. Teams captained by Bill Mueller and Don Brown met in the finals, Mueller winning the first game 37-10 and Brown's team coming back strong two days later to win 37-12, but total points counted, and Mueller won the series by one basket. Such a condition left the real supremacy of the winning team in doubt, whereas if there had been two out of three games such a condition would not have resulted.

The following are the scheduled games for this week.

Monday—  
7:30-8:30—A4 vs A5.  
8:30-9:30—B1 vs B2.  
9:30-10:30—A1 vs A3.

Tuesday—  
9:30-10:30—A2 vs A6.

Wednesday—  
7:30-8:30—A3 vs A4.  
8:30-9:30—B1 vs B2.

Monday (9th)—  
7:30-8:30—B1 vs B2.  
8:30-9:30—A5 vs A6.  
9:30-10:30—A1 vs A4.

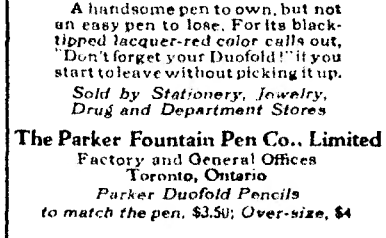
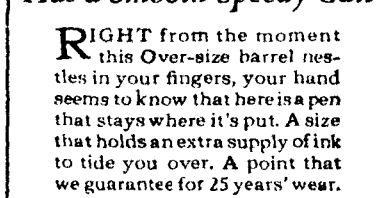
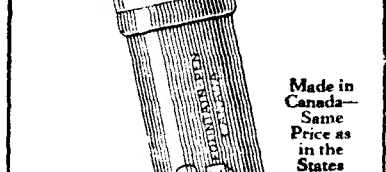
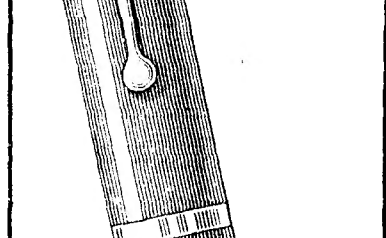
## CORRESPONDENCE

Editor, The Gateway.

Dear Sir,—Owing to the impossibility of thanking individually all those who took part in Med Nite, I desire to express through the columns of The Gateway my appreciation and thanks to all those who in any way assisted in making Med Nite '25 any success that it may have been.

C. H. MACKENZIE,  
Director, Med Nite '25.

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FRIDAY NIGHT—Noodles Fagan's Annual Carnival Night for News Boys—Don't miss this Big Laugh Event of the Season.

Matinee 3:00 Evenings 8:30





# SPORTS

Edited by Ross Henderson



## Overtown View Points of Varsity Athletics

Overtown opinions of Varsity athletics have reached a climax during the past few weeks that from a Varsity standpoint is absolutely unjustifiable, and accounts given out through overtown mediums have included scathing, unbiased remarks with absolutely no attempt at retraction. Whether such a condition has arisen from a prejudiced mind, carelessness or a lack of understanding of ensuing results is not known, but whatever may be the cause the result is readily distinguishable.

It is a known fact that for the past few years the use of fairly high-powered field glasses had to be used by capital sport writers to see the merits of outside opponents, but such a condition was not needed in the case of green and gold participants. Any pair of opera glasses would have fulfilled the requirements to look merely across the Saskatchewan. But even with the known prevalent short-sightedness this process has been disregarded, and as a result undergraduate athletic activities have suffered the result of a one direction pen.

One instance will suffice to explain the point: The ladies' hockey team played the Edmonton Monarchs for the Northern Alberta championship, with a 1-0 verdict against the green and gold. The Monarchs had the good fortune to shoot eight shots on the Varsity goal during the game, and Varsity controlled easily three-quarters of the territory play, and yet the daily columns of the capital city come out with such derogatory terms of the undergraduates efforts as "the winners had a distinct margin of the play," "putting up a brand of hockey that had their green and gold opponents entirely at sea," and the Varsity team play was given absolutely no credit. Recognition of winning teams should certainly be given, but why at the prejudiced ex-

pense of the losers needs some explanation. And this is not the only incident. Perusal of sport columns for the past few months will be rewarded with many similar descriptions. Whether University athletes this year are below the standard set in former years, or whether outside opposition (in athletics, not writing) has increased is not known definitely, but it is certain the latter course has taken place in several instances. As much silverware has not been brought back to the halls of learning as in former years, but nevertheless the winners have won due chiefly to their excellent previous efforts. Though admitting an overdose of credit is not due, there is certainly no reason why simon-pure competition, coupled with months of training, should meet with such disparaging remarks in the columns of the "home" paper.

## VARSCONAS DEFEAT WORLD CHAMPS

String of 42 Consecutive Victories  
Broken by Home Team—  
Score 22-18

## MOUNTFIELD SISTERS STAR Defensive Tactics of Winners Too Strong for Old Guard

The Varsity gymnasium was the scene of probably one of the greatest women's basketball games ever staged, last Saturday night, when the Varsconas defeated the world's champion Commercial Grads after a string of 42 consecutive victories hung up by the world leaders. The game was played before a packed house, and the result, 22-18, was fairly indicative of the evening's play. A large number of supporters were on hand for both teams, and the rivalry between spectators and players. As a result of the win the play-off for the Alberta championship is tied up, the Grads winning the first game 12-11, and as a result a third game will have to be played to decide the championship.

There was no mistake about the winners. They played good basketball from the defense out, and met the onslaught and defensive tactics of the world's champions with even greater ability. The Grads worked

## VARSITY ENTRANTS IN BOXING CONTEST

Northern Alberta Eliminations to  
be Held in Memorial  
Hall

TUESDAY, MARCH 10th

McEwen, Barker, Fraser Brothers,  
McFall and Waines Possible  
Entries

The Edmonton and District Elimination Boxing tournament will be run off next week for the privilege of representing the northern half of the province in the finals to be held in Calgary in the near future. The programme is to be held in the Memorial Hall, Tuesday, March 10, under the auspices of the Edmonton Amateur Boxing Association, and will be of special interest to Varsity students as several green and gold entries will be included among the participants.

The program is a varied one, and anyone with boxing tendencies will find a position. The following classes will be represented: 70 lbs., 80, 90, 100, 110, 112, 118, 126, 135, 147, 160, 175 and over 175 lbs., with both novice and open classes from the 112 lb. class up. This provides ample opportunity for the beginner and the experienced ring man to display his wares.

The late University tournament brought out several likely candidates, and their early initiation will stand them in good experience. Ken McEwen, who cleaned up the bantamweight here, will be entered. He inaugurated his fighting career last year at the Northern Elimination championships, where he won quite handsily, but owing to nearness to tests was unable to continue to Calgary. Ken has been showing great form this year, and should enter this class a favorite. The two Fraser brothers have been training hard for the past month, and are both in the pink of condition. They made a great hit with the fans in the Varsity tournament, and their work in the next contests will be keenly watched.

Young McFall looked good in the featherweight class, and though he lost the decision to Fraser coming prove good material for the coming event. He put on a classy exhibition, and probably supplied the real treat of the evening to the fans in the Varsity tournament. Stan Barker will look after the middleweight division, and Stan is no newcomer to the ring, so he will be able to uphold any green and gold laurels. In the welterweight there are several possible entries, with Waines, who won the Varsity championship, Bullock and McAuley. All three put on good exhibitions, and would look good under green and gold colors.

Next Tuesday night is the big night at the Memorial Hall. There is a certainty that several Varsity entrants will be included, so get your tickets from Stan Barker at the end of the week and enjoy a real night's entertainment.

hard from the first whistle, but the old machine never seemed to get started. The defensive tactics of the winners proved too much of an obstacle, and though the last few minutes the result was evident the old guard went down to defeat fighting to the last.

The game was particularly interesting from a Varsity viewpoint as four of last year's crack Varsity women's team were on the side of the winners. As a result the gym was well filled with Varsity supporters who turned out to cheer for their favorites.

For the winners, May and Kay Mountfield were the bright stars, gathering in thirteen points between them, while Gladys Fry at centre with five points proved a big cog in the winning machine. The defence of Bernice Carmichael and Lucille Dobson, who added four points to the team's total, was a large factor in the win.

For the losers, Connie Smith was high scorer with seven points, Dot Johnson got three and Daisy Johnston five, and teamed well in the forward line. Elsie Bennie and Mary Dunn turned in fine defensive games, the latter doing her best to avert defeat.

The Grads had the best of the play in the first period, and assumed a lead of 6-3. They broke away fast during the second stanza, and at one time were leading 9-3. The Varsconas, however, recovered from their stage fright, and from this point on assumed the offensive throughout. At half time they were leading 12-11. The last half brought out the offensive style of the winners, and though the Grads tried repeatedly to assume the upper hand the defensive tactics of the winners were too strong, and with the final whistle they were forced to accept a 22-18 loss.

Eli Butchart and Blake Brunson handled the whistle to the satisfaction of both teams, and the lineups were as follows:

Varsconas—Kay Mountfield (7), May Mountfield (6), forwards; Gladys Fry (5), centre; Lucille Dobson (4), Bernice Carmichael, guards; subs, Olive Caldwell, Helen Bony, Erna Taylor, Bessie Buckham. Total, 22.

Grads—Dot Johnson (3), Daisy Johnson (5), forwards; Connie Smith (7), centre; Mary Dunn (1), Elsie Bennie (2), guards; subs, Kate McRae, Margaret Bailey, Hattie Hopkins. Total, 18.

## HOCKEY -- The Game and the Player

By Dr. G. W. HARDY  
Coach to the University Team

Hockey is one of the greatest of get-together games. Its history is ancient. It may be true that the Mayas of the Yucatan played basketball. It is certainly true that the Greeks played hockey. In the British Museum there is a pedestal on which are shown Greek boys facing off, while a grim-faced referee stands ready to drop the puck.

A game of this hoary antiquity has, naturally, seen some changes in rules and methods. Some of us who do not claim to be nonagenarians can still remember when hockey was played with seven men a side, when the moss-grown terms of point, cover-point and rover were used, and when the mere suspicion of an offside was enough to make the audience and the referee shudder in holy horror. But "them days are gone forever," and The Gateway Editor, in his anxiety to get his space filled somehow, has asked me to set down some of the more obvious facts about the playing of hockey today—without any claim to originality or completeness on my part.

There are a few general qualifications any would-be hockey player needs to develop, to wit, skill, speed, condition, courage, alertness and intelligence. Once he can hit on these six cylinders his success is assured. He needs skill and speed in stick-handling and in skating, condition and courage to enable him to keep going, and alertness and intelligence to see and seize opportunity by the forelock—to say nothing of passing tests.

Granted that our mythical player has these qualities, what are his problems? We will start with the defense and work out. Of the goalie it may be said at once—with all due Scotch reserve—that his price is above rubies. His task is twofold. He must stop the shots on his citadel—and here he needs to be quick with stick, hands and skates—to say nothing of a knowledge of all possible angles for shots—and he must clear those shots with rapidity and precision, feeding his own team whenever possible.

But the best of goalies cannot keep his citadel intact if he lacks a good defense. The actions of the two defense players vary, of course, with the attack. In general, they should check short and hard, not reaching for their man, but going in to him with the body. Thus, if the first check is inconclusive, they can check again or turn on the inside of their opponent and skate back with him forcing him into the boards and into the corner out of danger. Again the defense should never draw to one side and allow an unmarked man to slip down the uncovered side to take a pass.

They should never leave a man unmarked. If a one-man rush comes down they can sandwich the misguided mortal if he attempts to skate between them, or if he tries to circle the defense, the outer defense man can check him while his partner waits to turn up. Facing a two-man rush the defense should each mark the man on their side. They must not allow the rush to split or to round their defense. So they need to be ready to sandwich the man carrying the puck if he tries to dart between them, or to skate him or his partner into the corner in case of a pass or an attempt to round either side. A stick stretched out, too, will often intercept an unskillful pass. A three-man rush is more dangerous. Yet once the man with the puck—who is usually the centre man—passes the disc the side on which the attack is to be made is disclosed, and the problem is essentially that of a two-man attack. The man on the far wing is, more or less, out of the play. The gravest danger, perhaps, lies in a pass from the corner into the centre, as in this case the enemy are likely to have one man unmarked.

In the game as played today, however, the defense should seldom be left with only two men on guard. It is more or less the custom to have a third man wait on the defense line, or to back-check so consistently that one or more of your own forwards is always back with every attack of the foe. If the three-man defense is used, the third man may be put in the centre of the two regular defense players. Here, on a rink as narrow as Jimmy Smith's emporium, he may form the apex of a triangle and go out to meet the man with the puck—sticking to him like the proverbial leech. On a wider rink it seems more effective to have the three men in a straight line, or in a slight arc, so that the centre man, playing a little in front of the others and going out a little to meet the attacking play, may force the attack to pass more quickly, and thus disclose their intentions.

A fast, back-checking line of forwards is, however, as good as any three-man defense. But they must

use system. A fairly good method appears to be that of having the wing men skate back along their own wings, on the inside of their man. This achieves two things. If their opponent is carrying the puck they can keep checking him into the boards so that, even if they do not relieve him of the disc, they can prevent his getting to centre ice or passing, and so hamper him that he is in a proper state of mind and manoeuvre for the defense to take care of him. If he hasn't the puck they are in position to intercept a pass to him and to check him at once if he does get the gutta-percha. The centre man, of course, roves at large wherever he can do the most damage.

Back-checking is, however, only one of the functions of the forward line. The second is to get goals. One could write an essay or a sermon on this, but as it is, space limits us to a few observations. First of all, if the forwards, while back-checking, can steal the puck in centre ice, they can often turn and sweep back to catch their opponents' defense unprepared. In the attack proper there are two more or less cardinal rules. Carry the puck to centre as you hit the defense and pass to the wing. Don't carry the puck along the wing and then pass to centre as you hit the defense, for—unless the pass is executed quickly, or you are accustomed to what I may call the wing-to-wing system, the opposing defense is apt to steal your best intentioned pass and waltz down the ice with the puck. One of the best devices to use in fooling the defense is to employ the time-honored "criss-cross" play. In this the player with the puck starts up the wing with his partner in centre. As they approach the defense he swings to centre drawing the defense man on his wing with him, and his partner swings to the side from which he has come. Next the man with the puck, who has aimed his rush to centre between the defense man on his original wing and the centre defense man so as to cut number three of enemy's defense out of the play—passes to the uncovered wing. His partner should then be able to round the defense. If the latter succeeds in this he should either go straight in for goal and shoot, or, if skated past a good angle for shooting, pass into centre to his team-mate who has presumably got into position for the play. Another favorite play is to shoot from outside the defense, generally from the wing, and then have everyone rush in hell-for-leather, for the rebound. Or, again, the centre man may fake a pass to the wing, thus opening the

defense, skate between them and get in on goal.

It is always worth while remembering that, once you have beaten the outer defense, it is still necessary to beat the goalie. Too many players seem to feel a fatal attraction for the goalie's pads and blaze into them with a cheerful disregard of the fact that even a hockey-puck can't penetrate through them into the goal. It is far better either to place your shot to the corner before the goalie is too close to block your angle for shooting, or to stick-handle past the custodian. Finally any team needs to be expert in accepting any and all passes and loose pucks, and slamming, batting or shooting them into the net. Here one might suggest that to wait back a little and then skate into a pass or loose puck gives one the advantage of moving away from the man marking you, just as it does in basketball.

This farago, I am afraid, leaves hockey entirely where it was before. Diagrams are really necessary to explain the various plays, and my drawing ability is of the sketchiest. But it probably remains true that in this game, as in most others, the team that plays the hardest and uses the most system and intelligence, will usually carry off the laurels.

## ARTS-PHARM TO MEET MEDENTS

Defeat Agsci 3-2 to Enter Finals  
Against League Leaders

Arts-Pharmacy earned its way into the right to play-off with the Medents for the Inter-faculty hockey championship, when they defeated the Agsci 3-2 in the second play-off game to win the round 10-7. The game was exceptionally fast from the start, and the Arts-Pharmacy had more territory play than the score indicates, but McBeath in goal for the engineers, proved a big stumbling block.

Runge, Scott and Caldwell were the big noises for the winners, while Edwards in goal played a stellar game. For the losers, Waines and Dutil were the best, and played a fine defensive game.

As a result of their win the Arts-Pharmacy squad will meet the Medents in a two-game total goal championship series for the cup. The dates have not been arranged, but the series should prove fast and interesting from a spectator's viewpoint.

The teams lined up as follows:

Agsci	Arts-Pharm
McBeath..... goal	Edwards
Waines..... defense	McLean
Dutil..... forward	Boyle
Wiley..... forward	Caldwell
Foster..... forward	Runge
Grindley..... forward	Scott
Wallace..... forward	Porter
Porteous..... forward	Fraser
Keats..... forward	Russell

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## ELECTIONS

Elections for the various offices on the Athletic Executive for next year will be held in the near future. Do your looking around for candidates now, so that when the time comes the most efficient man will be put in for office.



## RESEARCH REVEALS VALUE NATURAL RESOURCES

(Continued from page one)

Research Department has demonstrated conclusively that with a little care, Alberta bituminous coals can be chosen which are as suitable for smithy work as any coal that can be procured anywhere. Our coals have a small sulphur content. The only precaution to be taken is to pick out a bituminous coal with a reasonably low content of ash.

### Bituminous Sands

Another of our mineral resources of great extent and potential importance is the bituminous sands. The Industrial Research Department is devoting special attention to the study of this material and to the problems involved in its commercial use. The mining of the bituminous sands is one such problem. Last summer a field party spent the season studying in detail the characteristics and peculiarities of the deposits, and a mass of information has been compiled which has a very direct bearing on how commercial development of the bituminous sands can be undertaken.

### Oil for Roads

A hundred pounds of bituminous sand contains fifteen pounds of oil and eighty-five pounds of sand, and the deposits are three hundred miles north of Edmonton. It appears obvious that commercial development depends on finding how to extract the oil from the sand at the deposits. The Industrial Research Department has been busy with this problem and has made real progress. A method of separation is being perfected which promises to afford a means of winning the oil from the sand in a very complete and economical way. Experimental work has advanced to the semi-commercial stage, and the department has treated several hundred tons of bituminous sand by its process. A separation plant has been erected at the Dunvegan Railway yards at Calder, and will be operated during the coming summer.

What good is the oil in the bituminous sands? What can it be used for? One use which is getting the attention of the Industrial Research Department at the present time is in the providing of suitable low-cost rural roads in our province. Earth roads can be waterproofed and turned into all-weather roads by mixing the oil from the bituminous sands into the natural soil. A stretch of earth road on the Fort Trail was treated with the oil in a practical experiment during 1923. The result was encouraging. Further practical experimental road building will be undertaken during the coming summer with the oil extracted by the plant at the railway yards. It is the expectation that in this way the bituminous sands will be found to supply the means of smoothing out road building difficulties in parts of the province where gravel is lacking and its importation a costly matter.

### Timber Utilized

Timber — another prevalent and very useful natural resource — is being investigated by the Department of Civil Engineering. The first questions, then, are what kind of tree is most common on the eastern slope of the Rockies and is this variety being used to any considerable extent. To the former question the answer is lodge-pole pine, commonly known as jack-pine. To the latter the answer is in the negative.

With this information the first problem to interest the Department has been to ascertain why this type of tree is not in more general use, and just where it can be best utilized, for it is perfectly obvious that if in cutting timber a clean cut can be made of all trees on a tract and these utilized, the cost of lumbering operations can be greatly decreased.

There are over 360 mines in Alberta, all of which use timbering, that is, booms and props, in their tunneling operations. With apparently no reason except prejudice all of these mines shy as much as possible from using jack-pine. So here was a problem on which the Civil Engineering Department could start

## PRESENT PROBLEMS FACING LEAGUE

Professor Burt Gives Brief Account of the Work of League of Nations on Questions of Opium, Egyptian Situation and Protocol.

Professor Burt gave a very interesting and instructive address on recent problems facing the League of Nations, at the service in Convocation Hall last Sunday. The three great problems at the present time, he said, are the opium question, the Egyptian situation, and the Geneva protocol.

In regard to the opium traffic, the root of the trouble is China, where there is at present no stable government, so that it is impossible to stop illegal production of the drug. The powers of the Far East have bound themselves to suppress the smoking of opium in their territories within fifteen years of the cessation of illegal production in China.

Professor Burt gave a brief résumé of the whole Egyptian problem, starting at the time when Britain and France first stepped into the country to protect their interests. In 1922 a settlement was offered to Egypt, with four reservations, so that real independence was not offered. At present no agreement has been reached.

The trouble over the Geneva protocol is largely caused by the disarmament question. It should be noted, however, that the protocol does not come into force until ratified by at least three members of the Council. Should it be adopted, then by its terms a disarmament conference must be called at once. Compulsory arbitration of international disputes seems to be the only possible and workable way for stopping war, and the protocol is certainly a big step in this direction. The whole idea is to develop the solidarity of the world; the selfish attitude must be superseded by an ideal of all helping one another.

their investigations, and the only way to do this was by practical experiments.

The mine operators were very anxious to co-operate as much as possible, and a mine near Edmonton was selected in which to conduct the experiment of using jack-pine for mine timbering. Two carloads of green jack-pine were ordered from the woods in the regular way by the mine management, and shipped to this mine. One-half of the poles were peeled and the other half left with the bark on them. One-half of those in their natural state were left on the surface to season, while the balance have been placed in different regions of the mine at the intake and outlet of the air and in dead air chambers, where they will be subjected to all mine conditions.

This timbering has been placed in three lots at each portion of the mine, so that these lots can be removed at different times and their loss or retention of strength can be estimated by laboratory tests. This experiment will take two more years, but at the end of that time it will be definitely known if it is profitable for mine owners to use jack-pine for timbering.

The work of the Department of Geology of the University of Alberta has been of immense value in estimating, classifying and surveying the natural resources of the province.

A Geological Map. This Department has published a geological map, dividing the coal districts of Alberta into forty-four regions, which map has been adopted by the Provincial Government for their mine district inspection work.

At the present time the Department is working on a map showing the geological formation of the Alberta coal fields. Ten thousand square miles of the survey has been completed, which includes the Foot-hill district from the North Saskatchewan to the Athabasca River, and the Drumheller field. The remaining ten thousand square miles will be surveyed if possible this summer, and will include from the Foot-hills east to the Edmonton field, and from Drumheller north.

A long-felt want by engineers has been a complete geological map of Alberta. Seeing the necessity, the Department of Geology this summer will publish a complete geological map of Alberta, of a scale 12½ miles to one inch, which will include all the topographical features.

The research work of all these Departments is being conducted at the University of Alberta under the auspices of the Scientific and Industrial Research Council of Alberta, while the laboratories of the Industrial Research Department are financed by the provincial government. The laboratories are housed in the Mining Engineering building of the University by arrangement between the government and the University authorities. This arrangement gives the Industrial Research staff the advantage of being able to work in co-operation with the University staff and its departments.

## MEDICALS PUT ON SUCCESSFUL NITE

(Continued from page one)

"Cat Pie" fame, and A. F. Dunn. The clever manner in which the "bouquets" were distributed among members of the medical faculty and well-known local practitioners by use of timely phrases in the lines of the skit provided many a laugh for students and audience. Walley made a typical Chinaman, while A. J. Forbes as a hard-up student, A. M. Borrowman as a roughneck, A. F. Dunn as Theory of Medicine, and H. S. Ellis as the Practice of Surgery, also took their parts very well. Direction was by F. F. Tallman.

"Strong Medicine," in two doses, was the main feature of the evening.

## IMPORTANT PHASE UNIVERSITY WORK OUTLINED

(Continued from page one)

He also showed the effect of a jelly-like cell cap on a plant's resistance to frost. A plant dies from frost because the ice crystals which are formed in the cell protoplasm add to themselves water from the cell cap and cause the plant's death. If this sap is of jelly-like consistency the water is held longer and the plant lives longer under unfavorable frost conditions.

The speaker also dealt with the relation of the corn and sunflower crops to moisture and temperature conditions, the former crop requiring more heat, the latter more moisture for satisfactory growth. Diseases developed in red clover were used as an illustration of what might happen if thorough laboratory work as well as field experiments were not carried out before new kinds of seed were sent out to farmers.

### Dean Boyle's Work

How a message between two ships could be sent in time of war without an enemy ship picking it up, was outlined by Dean Boyle. By diagrams and illustration it was also shown how icebergs and dangerous shoals could be detected by ships at sea.

During the war Dr. Boyle, together with contemporary scientists, did important work for the British government on ultra-sonic telegraphy. His present work, though of the same nature, is being carried on here under the auspices of the Dominion Research Council.

One principle of ultra-sonic telegraphy is that a disc, vibrating in water at approximately 1,000,000 vibrations per second, will emit a ray in the water, instead of the energy spreading out in a circle. Such a disc emits no sound since the human ear cannot detect vibrations of a frequency more than 2,000 per second. By means of special sending and receiving apparatus, such rays could be sent from ship to ship through the water. Along them a telegraph message could also be sent. But since no sound was emitted a third ship could not pick up the message.

Furthermore, if an apparatus emits these rays, and they strike an object at an angle of 90 degrees, the rays are reflected to the ship emitting them. So dangerous shores or icebergs can be detected at a distance of two or three miles away. Ice, however, is a very poor reflector, and so icebergs can only be detected at an approximate distance of a quarter of a mile.

### Value of Research

Dr. Tord in closing, delivered a spirited message on research. A few years ago, he said, the three prairie provinces lost enormous sums because of wheat rust. Yet at that time the Dominion of Canada had only one man working part time doing research work towards obtaining a remedy for such losses. Eradication of hog cholera in United States was another example of the inestimable practical value of research. This disease was causing United States a loss of \$40,000,000 per year. One man, by spending two years of intensive study on this problem of hog cholera, found an effective method of combatting the disease, and at the present time the losses due to it are nominal. Research work in the province is now being supported by Dominion and Provincial Research Councils, and also through other sources. It was the speaker's opinion that this research work would solve many of the province's problems and would help dispel the cloud at present hanging over the province.

The story centres about the trials and tribulations of a young physician in choosing a wife. Dr. Gordon proposes to the daughter of Dr. Davidson, his older friend and counsellor, one morning between operations, and fails to understand the faulty technique which led to her refusal. Many amusing situations are created by the subsequent attempts of Dr. Davidson and his nurse, Miss Crisp, to coach Dr. Gordon in his lines. The outcome is that the young doctor proposes to the nurse, who accepts him, just before word reaches them of Miss Davidson's elopement with another man.

While the play was, perhaps, not as strong as that presented a year ago, the cast was a strong one, and put it over well. Jack Whitworth and Lydia Giberson took their parts well. Whitworth assuming the role of Dr. Gordon naturally, while Miss Giberson portrayed the chronic sufferer, Miss Van Tilt, to advantage. Alice Joyce as Miss Crisp, the nurse, and Ed. Hollies as Dr. Davidson were also very good. Grace Elmore as a maid, Bob Hicks as an orderly, and Les Stuart and Jimmie Calder as two negro musicians, played minor roles very effectively. Jimmie Brunton directed this play.

Other Features. Between acts the Med Quartette, consisting of Arthur Ahrens, Andy Wilson, Roy Anderson and Charles Davis, sang "Sweet and Low."

A novel feature of the decorations were the professional cards of the members of the graduating class painted as illuminated signs and hung about the sides of the hall. Notable among these was that of Dr. J. B. Collip, co-discoverer of insulin and discoverer of the new hormone of the parathyroid gland. Dr. Collip will receive his degree in Medicine this year.

The personnel of the Med Nite Executive responsible for the program is as follows: Director, Charlie McKenzie; director of the play, Jimmie Brunton; director of the skit, F. F. Tallman; screen, Mike Krause; decorations, Harry Nix and P. H. Sprague; electrical effects, Claude Greenberg; choral leader, George Haworth; orchestra, D. T. Weston, Bernard Malo and Arthur Jarrett; stage manager, Bob Langston; properties, A. J. Wright, M. L. Dumouchel and Freda Smith; seating, Gordon Saunders; publicity, Hugh Crawford.

## JUNIOR UNIVERSITY RESOLUTION LOST

Agriculture Won at Expense of Commerce in Debate on Much Discussed Topic

Agriculture, represented by Mr. R. Manson and M. J. A. Anderson, was successful in defeating Commerce, upheld by Miss M. Clermont and Miss Agnes Owens, in the semi-finals of the inter-faculty series, held in A212 on Monday, March 2nd. The subject of the debate was: "Resolved, that the establishment of a junior college in Calgary would be in the best interests of higher education in Alberta." Commerce supporting the affirmative. The judges were Mr. D. E. Cameron, Percy Davies and Wes. Watts.

Miss Clermont opened the debate by discussing the various clauses of the petition presented in Calgary to the Hon. Perren Baker, Minister of Education. The main point in this petition was the request that a junior college of Technology and Art, not to cost more than \$20,000 a year, be established in Calgary, the work of the said college in no way to interfere with that of the present Institute of Technology. She claimed that the University of Alberta would be strengthened by such a plan, as many students, after taking their first two years in Calgary, would be encouraged to come on to the U. of A.

Mr. Manson, for the negative, stressed the financial side of the question. The money for such a college, he claimed, could come from one of two sources, the grant to the public schools or the grant to the University. If it was taken from the grant to the public schools it would help to undermine the strong foundation of a child's education, and would therefore be very harmful. On the other hand, he claimed, the University needed all the money it could get, and it could not afford to give up part of its grant without endangering its own progress.

The case for the affirmative was further developed by the second speaker, Miss Owens. She advanced the argument that the time for decentralization had come, and quoted several authorities as proof of her contention. She also stated that the plan was not a wild dream, but the result of calm study and investigation. Miss Owens also contended that a junior college would give three or four times the number of Calgary students the opportunity of obtaining a higher education.

Mr. Anderson wound up the negative case with a spirited attack upon many phases of the resolution, again stressing the financial side. He refuted the point that it was time for decentralization by quoting an authority to prove that the only cause for decentralization is overcrowding and that the University of Alberta was far from being overcrowded. He said that a student would not have as many opportunities in a junior college and that the wise scholar would come to Edmonton anyway.

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**CUPS OF TEA AND OTHER THINGS**  
Miss Nona Quigg, of Red Deer, was the guest of Miss Gertrude Connors during the past week-end.

The Misses Monica Adam, Nancy Rudolph, Harriet Stewart, Erna Nichols and Ellen Graham were hostesses at a delightful party in Pembina Saturday evening. The decorations were black and white, and each guest received a favor in the form of a tiny doll. A number of

songs, which Miss Marguerite Cooper accompanied with her mandolin, added to the gaiety of the party.

Miss Helen Beny entertained at a bridge party on Tuesday evening in honor of the boys' basketball team, which practices with the Varsenons. Bright tulips made an effective decoration in the room. Miss Gerry Alexander and Mr. Aubrey Bright carried off the honors for the evening.

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